

Date: Fri, 19 Feb 93 14:13:29 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #235
To: Info-Hams

Info-Hams Digest Fri, 19 Feb 93 Volume 93 : Issue 235

Today's Topics:

 * SpaceNews 22-Feb-93 *
 Apparatus Eeprom Blaster
 ARRL DX Bulletin #10 - February 19, 1993
 Bearing & Distance
 BULLETIN: Service Interruption Notice - Important
 Caller ID & DTMF Chips For Sale
 Converter circuit ban is unenforceable
 FT-5100
 Grace DSP-12 vs. AEA DSP-1232 ? Opinions?
 hello!
 Lin pot type AB?
 Long Ground Lines
Searching for Prior Art to Invalidate a Patent on an Electronic Diary
 The Ham Frontier
 TO: clemens@ms.uky.edu

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 19 Feb 93 16:58:23 GMT
From: news-mail-gateway@ucsd.edu
Subject: * SpaceNews 22-Feb-93 *
To: info-hams@ucsd.edu

SB NEWS @ AMSAT \$SPC0222
* SpaceNews 22-Feb-93 *

BID: \$SPC0222

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SpaceNews
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MONDAY FEBRUARY 22, 1993

SpaceNews originates at KD2BD in Wall Township, New Jersey, USA. It is published every week and is made available for unlimited distribution.

* CALLING W5RRR *

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Paul, KC4VBT, reports that on Sunday, the 14th of February, during Mir's 40,000th orbit, R2MIR was heard calling W5RRR first on voice, and then by packet:

14-Feb-93 13:23:58 R2MIR*>W5RRR [C,P]

14-Feb-93 13:24:04 R2MIR*>W5RRR [C,P]

and then attempted to connect with the JSC's PBBS

14-Feb-93 13:25:06 R2MIR*>W5RRR-1 [C,P]

14-Feb-93 13:25:11 R2MIR*>W5RRR-1 [C,P]

On 18-Feb-93, Dave, N6JLH received the following message via the packet mailbox on Mir:

Stat : PR
Posted : 02/18/93 15:55
To : N6JLH

Date: Fri, 19 Feb 1993 19:57:29 GMT
From: swrinde!cs.utexas.edu!asuvax!ncar!ren@network.UCSD.EDU
Subject: Apparat Eprom Blaster
To: info-hams@ucsd.edu

About a week ago I posted this request in sci.electronics, response has not been encouraging, so I'm trying fellow hamsters.

I'm looking for a copy of the manual for Apparat's Eprom 'Blaster', IBM version. I sent a copy to someone on the net

a year or two ago, now I can't find mine! If you have one you could photocopy and send me I'd sure appreciate it (I'll even bribe!)

Ren Tescher N0PVI

PO Box 3000

Boulder CO 80307-3000

dona nobis pacem

Date: Fri, 19 Feb 1993 05:46:59 MST

From: swrinde!gatech!destroyer!cs.ubc.ca!unixg.ubc.ca!kakwa.ucs.ualberta.ca!
alberta!ugc!nebulus!ve6mgs!usenet@network.UCSD.EDU

Subject: ARRL DX Bulletin #10 - February 19, 1993

To: info-hams@ucsd.edu

ZCZC AE36

QST de W1AW

DX Bulletin 10 ARLD010

~From ARRL Headquarters

Newington CT February 19, 1993

To all radio amateurs

SB DX ARL ARLD010

ARLD010 DX news

Thanks to Jacques, W2/F2YS, Wayne, KH6WZ, Bob, W5KNE, QRZ DX, Chod, VP2ML, and The DX Bulletin for the items in this week's bulletin.

VANUATU. This Pacific island is supposed to be activated by Wayne, W9GW, from February 17 through 24. As of press time we have seen no PacketCluster spots. QSLs should go to 704 Meadowbrook Avenue, Bloomington IL 47401 4230.

QATAR. A71CD has been on 21335 kHz between 1400 and 1430z. A71CW is the new call for Chris, who has been signing A71AL/SP5EXA. Chris has been on 40 meter CW around 0000z with a BIG signal into the eastern United States. QSLs go to Chris Dabrowski, Box 22101, Doha, Qatar.

CROZET ISLAND. In last week's bulletin we ran an item on the CW activity by FT4WD. Jacques, W2/F2YS, recently spoke with Christian, FT4WD. Christian, a newly licensed amateur, operates SSB only. It is assumed that the station signing FT4WD on CW recently was of dubious repute.

MARKET REEF. A team of operators hopes to put OH3AC/OJ0 on the air February 25 through 28, although weather conditions can either make or break this operation. QSL via Box 74, SF-15170 Lahti, Finland.

KOREA. Documentation for the recent P5RS7 operation has been received at the ARRL DXCC Desk. No decision will be made on the accreditation issue before March 31, 1993. Please do not send in cards until instructed to do so. Thank you.

THIS WEEKEND ON THE RADIO. The ARRL International DX Contest CW starts at 0000z Saturday and ends at 2400z Sunday. For the contest exchange, W/VE stations send signal report and state or province. DX stations should send signal report and power. For more information, check page 125 of December 1992 QST.

SAINT LUCIA. QSL cards have been ordered for the CQ WW DX SSB
contest operation by J68DX, J68AL, J68AP, J68MR and J68WZ. Your
continued patience would be appreciated.
NNNN

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--
Jim Reisert                Internet:  reisert@mast.enet.dec.com
Digital Equipment Corp.    UUCP:      ...decwrl!mast.enet.dec.com!reisert
146 Main Street - ML03-6/C9 Voice:      508-493-5747
Maynard, MA 01754         FAX:        508-493-0395
```

Date: Fri, 19 Feb 1993 17:06:22 GMT
From: [sdd.hp.com!spool.mu.edu!sgiblab!sgigate!odin!chuck.dallas.sgi.com!
adams@network.UCSD.EDU](mailto:sdd.hp.com!spool.mu.edu!sgiblab!sgigate!odin!chuck.dallas.sgi.com!adams@network.UCSD.EDU)
Subject: Bearing & Distance
To: info-hams@ucsd.edu

```
In article <9302181459.AA24139@ucsd.edu>, MROWEN%STLAWU.BITNET@cunyvm.cuny.edu
|> Can anyone out there direct me to the equations necessary for this
|> little job?
|>
|> Thanks -
|>
|> Michael Owen W9IP
|> MROWEN@STLAWU
```

Michael,

the equatorial diameter of the earth is listed as 7,926.68 miles

the polar diameter of the earth is listed as 7,899.99 miles

using the worst case scenarios for short path (double this for long path)

All material broadcast over the nets will be disrupted for this period. Things should return to normal operation by about 27 February. All missing daily activity summaries will be broadcast around 27 February. Our BBS will remain operational, but reports which would normally be updated daily will not be functional.

The three-hour activity summaries that are available through the Internet finger command: "finger solar@xi.uleth.ca", as well as the hourly reports of auroral activity (through "finger aurora@xi.uleth.ca") should not be affected by these changes. The equivalent services on our BBS should also remain functional.

The solar images available on the anonymous FTP site at: xi.uleth.ca should also remain functional, but may need to be taken off-line. The anonymous FTP site itself will remain fully operational. The processing of NSO Emission Line Coronal Photometer data into scan images in the directory "pub/solar/Corona" will be suspended until things are restored to proper operation. However, daily 21-hour x-ray plot images in the directory "pub/solar/Xrays" should remain functional. Problems with the ARO solar interferometer are preventing 10.7 cm interferometer scans from being provided in the directory "pub/solar/Scans". That problem is being worked on and may be functional again by the end of February.

We apologize for any inconvenience this interruption may cause. We hope to begin providing regular dedicated services again around 27 February. Thanks for your patience and understanding.

** End of Bulletin **

Date: Fri, 19 Feb 1993 13:14:13 GMT
From: swrinde!zaphod.mps.ohio-state.edu!uwm.edu!linac!att!mcdchg!mcdphx!
schuch@network.UCSD.EDU
Subject: Caller ID & DTMF Chips For Sale
To: info-hams@ucsd.edu

If anyone is interested in buying single or small quantities of either Caller ID Receiver chips, or DTMF decoder chips, E-mail me and I'll send you the details.

John

--

+-----+
| John R. Schuch - Motorola Computer Group - Manufacturing Engineering |
| N7XVS - schuch@phx.mcd.mot.com - (602) 438-3008 - CompuServe: 70733.3330 |

+-----+

Date: Thu, 18 Feb 93 17:39:25 GMT
From: usc!cs.utexas.edu!geraldo.cc.utexas.edu!slcs.slb.com!leo.asc.slb.com!sjsca4!
jones@network.UCSD.EDU
Subject: Converter circuit ban is unenforcable
To: info-hams@ucsd.edu

Gary Coffman (gary@ke4zv.uucp) wrote:
: Everything is illegal unless permitted, yes that's the government's goal.

I thought it was "Everything is illegal unless REQUIRED (by law)." :-(

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Disclaimer: The opinions expressed above are mine and not those of Schlumberger
because they are NOT covered by the patent agreement!

Phone: (602) 345-3638 RF: N7RPQ
Snail: Clark Jones, Schlumberger Technologies, 7855 S. River Pkwy #116, Tempe,
AZ 85284-1825

Date: Fri, 19 Feb 1993 18:39:49 GMT
From: castor!082589@lanl.gov
Subject: FT-5100
To: info-hams@ucsd.edu

Keywords:

I saw the post on the Yaesu FT5100 cross-band repeat. I had no information with
the
radio about this function. Is there any other un-documented functions available on
this rig? Also mine only receives down to 140Mhz yet the add says it will receive
down to 130Mhz. Any info on this... Mod or something? Thank you for any
information.

Date: 19 Feb 93 17:08:09 GMT
From: idacrd!tang!n4hy@uunet.uu.net
Subject: Grace DSP-12 vs. AEA DSP-1232 ? Opinions?
To: info-hams@ucsd.edu

Paul Rubin Says:
>I don't think there has to be 90 db dynamic range from the audio amp

>(what does that mean anyway) for there to be two signals that a 16 bit
>converter can distinguish with greater probability of correctness than
>a lower resolution converter. High speed phone modems use very high
>resolution converters (16 bits) even though the a/d's in the phone
>system are 13 bits and the signal is then compressed to 8 bits. This

You are correct. You can justify about 11-12 bits of A/D and D/A with the typical audio circuits in amateur radio gear because the typicals dynamic range in the receiver audio could be covered with an 8 bit A/D. IMD and other stuff limits the effectiveness of greater resolution. The stated reasons for Clover to have 16 bits is that you needed the resolution at very low levels so that you keep high control over the spectrum and regrowth of spectrum. This won't wash with amateur radio transceivers. Most people just cannot think in terms of the nonlinearities in the audio circuits of most transceivers. These are not high fidelity (stereo or otherwise) pieces of equipment. Remember that CD's are 16 bits, you surely do not expect to get that kind of resolution from you Kenwood TS-930 and it ain't there.

Bob

--

Robert W. McGwier	Bob's interests include amateur radio,
Institute for Defense Analyses	astronomy, and golf (10 handicap fanatic)
Center for Communications Research	Asst. Scoutmaster BSA Troop 5700
Princeton, N.J. 08520	n4hy@ccr-p.ida.org (internet)

Date: (null)
From: (null)
Subject: hello!

dave! dobroe utro!

spasibo za MESSAGES o programme nassa - ispolxzowatx radiol'bitelxsku' swqzx pri poletah {attlow.
na{i kosmonawty krikalew i titow sej~as prohodqt podgotowku k sowmestnomu poletu po programme {attl w hx'stone.
nam hotelosx by pogoworitxs nimi po radiol'bitelxskoj swqzi, no W5RRR ne otzywaetsq na na{ wyzow.
dw pomogi ,povalujsta swqzatxsq s nimi.
ALEX 73

Which translates to:

Dave! Good morning!

Thanks for MESSAGES about NASA program to use ham radio on shuttle missions.

Our cosmonauts Kriklew and Titow are in Houston (sp? I think, he meant this large city in TX -EAS) training and preparing for Shuttle flight.

We'd like to talk to them using ham radio, but W5RRR doesn't answer our calls.

dw, help, please, to get through to them.

ALEX 73.

Maybe if there is someone at W5RRR reading this, they could listen for R2MIR on future passes.

* STS-55 LAUNCH DELAY *

=====

Launch of STS-55 and Space Shuttle Columbia has been postponed from 25-Feb-93 until 06-Mar-93. STS-55 will be the first Shuttle mission this year to include a SAREX package.

* SpaceNews NEWS *

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I often receive requests asking permission to post SpaceNews on various bulletin boards and computer networks. As mentioned in an earlier issue of SpaceNews, this publication is distributed free of charge and is made available for unlimited distribution. The only request I make is that NO CHARGE be made to users of computer bulletin boards or networks to read SpaceNews. After all, SpaceNews is a public service, and the author makes absolutely no money for generating these bulletins.

* FEEDBACK/INPUT WELCOMED *

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Mail to SpaceNews should be directed to the editor (John, KD2BD) via any of the following paths:

FAX : 1-908-747-7107

UUCP : ...catfish.ocpt.ccur.com!ka2qhd!kd2bd

PACKET : KD2BD @ NN2Z.NJ.USA.NA

INTERNET : kd2bd@ka2qhd.ocpt.ccur.com -or- kd2bd@amsat.org

MAIL : John A. Magliacane, KD2BD
Department of Engineering and Technology
Advanced Technology Center

Brookdale Community College
Lincroft, New Jersey 07738
U.S.A.

<<= SpaceNews: The first amateur newsletter read in space! -=>>

/EX

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John A. Magliacane, KD2BD * /\ * Voice : 1-908-224-2948
Advanced Technology Center |/\| Packet : KD2BD @ NN2Z.NJ.USA.NA
Brookdale Community College |/\| Internet: kd2bd@ka2qhd.ocpt.ccur.com
Lincroft, NJ 07738 * \/\ * Morse : -.- -.. ..--- -... -..

Date: 19 Feb 93 17:39:28 GMT
From: news-mail-gateway@ucsd.edu
Subject: Lin pot type AB?
To: info-hams@ucsd.edu

Stefan Elf asked about " what a 'linear potentiometer, type
>AB' might be. It's the 'type AB' part that puzzles me. I found it in a
>parts list for an RF noise bridge in then ARRL Antenna book."

The part is an Allen Bradley Type AB potentiometer. 2 watt molded carbon
linear element It is a sealed mil-spec type part and could be found in WW2
equipment. the reason the type AB is used in the RF noise bridge is that the
element is "non-inductive" as opposed to a wire wound unit. As others have
noted the molded element lasts forever.

Looking through a Digi-Key catalog an equilvant part looks like the Clarostat
series RV4N conductive plastic military potentiometer - 2 watt.

Pete (an "OF") kd6hr

kd6hr.el_segundo@xerox.com

Date: Fri, 19 Feb 1993 17:31:49 GMT
From: era!mark@uunet.uu.net
Subject: Long Ground Lines
To: info-hams@ucsd.edu

The other night I was pondering places to drive a ground rod in the
house I'll be moving into next month, and hit upon an idea which would

probably benefit from some net.wisdom:

We're always told to make the path to ground as short as possible, presumably to keep whatever gets it there (wire, cold water pipe, etc.) from acting as a radiator. My question is, why not use a length of coax and connect both the center conductor and shield on the ground end to the rod? Would the shield catch any RF the center might radiate and drain it to ground?

TNX FER WISDOM ES 73.

- Mark

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.....
: Mark A. Feit          KD4TAJ : Internet: mark@era.com      :
: Engineering Research Associates : USENET: ...!uunet!era!mark :
.....
```

Date: Fri, 19 Feb 1993 03:31:04 GMT
From: usc!sol.ctr.columbia.edu!eff!world!rdg@network.UCSD.EDU
Subject: Searching for Prior Art to Invalidate a Patent on an Electronic Diary
To: info-hams@ucsd.edu

I am respectfully requesting the assistance of the collective knowledge of the net. My problem is as follows:

A client of mine has recently been approached regarding U.S. Patent 3,999,050 issued on December 21, 1976 to Pitroda for an ELECTRONIC DIARY. The abstract recites, in part:

"An electronic diary having combined clock-calendar means and diary storage means is provided wherein a random access memory is employed in a diary mode of operation for the storage and readout of preselected daily schedule and message events keyed for visual display in response to equal time comparisons with real time of day TOD as generated by clock calendar means. (...)" The claims appear to be equally as broad.

Since this case was filed in the early days of the "pocket electronics" industry, we would appreciate any help, advice, leads or information about ANY products commercially available prior to December 21, 1976 which may have performed this function OR about any software written to run on a mini or mainframe computer (or any other computer for that matter, which may have been used to provide a "tickler" function to the user (possibly at login).

Please contact Rich Goldstein at (617) 332-0113 or

rdg@world.std.com Many thanks! Rich G.

--

Richard D. Goldstein, Esq. | (617) 332-0113 - West Newton Office
Intellectual Property Counsel | (617) 227-5454 - Boston Office
75 Valentine Street | (617) 523-9339 - Boston Fax
West Newton, Massachusetts 02160 | rdg@world.std.com - Internet
4AQL Contest Domination Team Georgia Institute of Technology
 -PGP Key Available On Request-

Date: 19 Feb 93 19:51:48 GMT
From: news-mail-gateway@ucsd.edu
Subject: The Ham Frontier
To: info-hams@ucsd.edu

Robert W. McGwier, N4HY says:

[..... deleted] No code is a success if you define it as only increasing numbers of hams. Time will tell if it has been a success in that people move up the incentive trail.

I say:

This is a part of the conventional snobbish ARRL "Incentive licensing" view (the same one that just sees Techs as stepping stones to "real" licenses). The Tech is a licence that stands on its own. There are plenty of things to do on 6m and above that could keep a person fully occupied for a lifetime. They need never upgrade unless they want to play with HF.

The real measure of the success of amateur radio is if they're still interested in amateur radio after 5 to 10 years. If all they play with is 2m FM then we will loose a lot of them in the first couple of years through boredom if nothing else. Some may return later.

Bob also said:

[..... deleted] We are going to come under increasing pressure from the deletion of those bands where we hold secondary status because of the elimination of the primary user (DOD) and we must not be seen as bickering over the edges (no pun intended).

I say:

Ham radio's most valuable spectrum for the future is at VHF and above, the Tech's domain, and it is tremendously underused. We stand a good chance of loosing it (piecewise at first) if it isn't colonised. The incentive licensing scheme has nothing of value to offer in for protecting the "high frontier". In the next decade we will see the expansion of high data rate digital techniques which will require this spectrum.

We have a new ham radio frontier: UHF/microwave plus computers. It is the new tech's will need to colonise it.

Kevin Purcell N7WIM / G8UDP (UK no-code "tech" for 13 years)
a-kevinp@microsoft.com
"We conjure the spirits of the computer with our spells"

Date: Fri, 19 Feb 1993 19:35:41 GMT
From: swrinde!zaphod.mps.ohio-state.edu!rpi!cary115.its.rpi.edu!
mellob@network.UCSD.EDU
Subject: TO: clemens@ms.uky.edu
To: info-hams@ucsd.edu

For some reason, Your postmaster keeps sending what I send you back to me. Apparently you do not exist!

Anyways, thanks for the ideas. I'm going to try your plan on a permanent basis, at least until I get hassled for it.

-Brett Mellor
R.P.I.
Troy, New york

Date: 19 Feb 93 20:37:41 GMT
From: pacbell.com!lll-winken!nirvana.llnl.gov!user@network.UCSD.EDU
To: info-hams@ucsd.edu

References <1bluevINNled@west.West.Sun.COM>, <1m2r9eINN752@hp-col.col.hp.com>, <C2pE6n.6FF@avalon.nwc.navy.mil>

Subject : Re: DJ580 ext power connector; sources?

In article <C2pE6n.6FF@avalon.nwc.navy.mil>, erik@peewee.nwc.navy.mil (Erik van Bronkhorst Code 3814 Phone 939-1421) wrote:

>

> I found a goodie at Radio Shack but it sticks straight out about 2".

> I would really like to find a low profile 90 degree connector, perhaps

> molded with pigtails...

>

I just purchased both the adaptor for the lighter in my car and a cable complete with fuses for connecting a power supply from Ham Radio Outlet.

These are Alinco products and both have the 90 degree connector.

The lighter connector even has a filter that works pretty good!

Worth the bux for sure, I tossed my homemaids jobs in the scrap pile!

Good Luck!

Dave
KD6RRS

Date: Fri, 19 Feb 1993 18:16:19 GMT
From: sdd.hp.com!spool.mu.edu!uwm.edu!linac!sunova!usenet@network.UCSD.EDU
To: info-hams@ucsd.edu

References <1787700020@trsvax>, <1993Feb18.145037.2358@sunova.ssc.gov>,
<1993Feb19.171321.26014@odin.corp.sgi.com>
Subject : Re: Chuck Norris on 440?

In article <1993Feb19.171321.26014@odin.corp.sgi.com>
adams@chuck.dallas.sgi.com (Charles Adams) writes:
>In article <1993Feb18.145037.2358@sunova.ssc.gov>, chuck_adams@qmail.ssc.gov
(Chuck Adams) writes:

>

>|> I will post more information as it becomes available.

>|>

>|> Score Card:

>|>

>|> Adams 1, Norris 0

>|>

>|>

>|>

Chuck Adams, WB5WRR (The Chuckster)
Not an official document of DOE, SSCL, URA or EG&G

>|> "I cut you three ways, man: quick, deep and frequently"
>|> Internet: chuck_adams@qmail.ssc.gov
>
>Holy S#%\$ Batman.....
>
>"The Chuckster" is trying to get yours truly in deep yogurt!!!! ;~)
>
>Trouble with two Chuck Adams' within a 30 mile radius. I don't do VHF!
>I can kick Chuck Norris butt! i like Chuck Norris and i don't wanna fight
>him. i'm 6'6" and he's much shorter than that. :-~) i'm an OF and i wanna
>live longer.....
>
>Adams #2 0, Norris 2,456 he wins!!!!!!!!!!!! EOT SK
>
>chuck "chuckles" adams
>

Hey!! Don't do that.....I was banking on the confusion factor to confuse Mr.
Norris.

Chuck Adams, WB5WRR (The Chuckster)
Not an official document of DOE, SSCL, URA or EG&G
"I cut you three ways, man: quick, deep and frequently"
Internet: chuck_adams@qmail.ssc.gov

End of Info-Hams Digest V93 #235
